METHOD AND SYSTEM FOR MINIMAL DISRUPTION DURING SOFTWARE UPGRADE OR RELOAD OF A NETWORK DEVICE

ABSTRACT OF THE INVENTION

5   A method and system for resetting a network device.
Specifically, in one embodiment, a method is disclosed for
upgrading and/or reloading software for a network device with
minimal disruption. The method begins by separating
operations associated with layer two of an International

10 Standardization Organization Open Systems Interconnect
(ISO/OSI) reference model from other layers in the ISO/OSI
reference model in a network device. Then, the software
operations in layer two of the network device are reset. The
software operations are reset while maintaining continuity

15 for a communication session between the network device and
other network devices coupled together through a network.
Thereafter, for minimal disruption, execution of the software
operations is recovered at layer two before continuity of the
communication session s terminated.

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